RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/820,467

DATE: 11/15/2004 TIME: 14:06:10

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3 <110> APPLICANT: Aguinaldo, Anna Marie
        Beyna, Amelia Joy
        Cho, Ho Sung
        Desjarlais, John Rudolph
 6
 7
        Marshall, Shannon Alicia
        Muchhal, Umesh
        Villegas, Michael Francis Aquino
         Zhukovsky, Eugene
        Quesenberry, Michael Stephen
13 <120> TITLE OF INVENTION: INTERFERON VARIANTS WITH IMIPROVED PROPERTIES
15 <130> FILE REFERENCE: A-71431-4
17 <140> CURRENT APPLICATION NUMBER: US 10/820,467
18 <141> CURRENT FILING DATE: 2004-03-30
20 <150> PRIOR APPLICATION NUMBER: US 60/477,246
21 <151> PRIOR FILING DATE: 2003-06-10
23 <150> PRIOR APPLICATION NUMBER: US 60/415,541
24 <151> PRIOR FILING DATE: 2002-10-01
26 <150> PRIOR APPLICATION NUMBER: US 60/489,725
27 <151> PRIOR FILING DATE: 2003-07-24
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30 <151> PRIOR FILING DATE: 2003-09-30
32 <160> NUMBER OF SEQ ID NOS: 274
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105

71 Tyr Gln Gln Leu Asn Asp Leu Glu Ala Cys Val Met Gln Glu Glu Arg

100

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PATENT APPLICATION: US/10/820,467 TIME: 14:06:10

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84		Cyb	21 <u>1</u> u		165	V 44 1	Val	9	1114	170	110	1100	2119	DCI	175	DCI
		Sar	Thr	λen	Leu	Cln	Glu	Ara	T.011		λκα	Lare	Glu		113	
88	Jeu i	JEI.	1111	180	пец	GIII	Giu	Arg	185	Arg	Arg	шуъ	Giu	-		
	-010	. 017	'O TD		2				103							
			Q ID													
			NGTH		5											
			PE:													
					Homo	sap	nens									
			QUEN													
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122	Ala	Cys	Val	Ile	Gln	Gly	Val	Gly	v Val	Thr	Glu	Thr	Pro	Leu	Met	Lys
123		-		100		-		-	105					110		-
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135						150					155					160
		Ara	Ser	Tvs	Glu											
139		5		-1-	165											
	-210	n	EQ I	D NO												
			ENGT													
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			EQUE			o sa	prem	5								
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150		T 011	T ~	717	-	Mar	71 ~~~	7\ ~~~	, т1 ~	10	т	Dha	Con	· /	15	T ••~
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154	3			20	D1	6 7	. D1	ъ.	25	~ 3	~ 1	D'	~7	30	a i	D1
	Asp	arg		Asp	Pne	ĢΣŸ	rne		GIN	GIU	GLU	rne	_	Asn	GIN	Phe
158	~~	_	35	~ 7			_	40	_	•	~7		45	~ ~	~ -	 -
	GIn		Ala	GLu	Thr	тте		val	Leu	His	GLU		TTE	GIn	. GIn	Ile
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RAW SEQUENCE LISTING DATE: 11/15/2004 PATENT APPLICATION: US/10/820,467 TIME: 14:06:10

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177 Lys 178	Glu	Asp 115	Ser	Ile	Leu		Val 120	Arg	Lys	Tyr	Phe	Gln 125	Arg	Ile	Thr
181 Let 182	130	Leu	Lys	Glu	Lys	Lys 135	Tyr	Ser	Pro	Cys	Ala 140	Trp	Glu	Val	Val
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201 1	_		_	5	_	~ 7	_	_	10	_	جنہ			15	_
204 Lys	s Ser	ше		ser	Leu	GIY	Cys		Leu	Pro	GIn	Thr		Ser	Leu
205		7	20	7 T -	T	- i -	.	25	3 7 -	a 1	3	~1	30	~ 7_	0
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212 His 213	50		•			55					60				
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220 His 221	Glu	Met	Ile	Gln 85	Gln	Thr	Phe	Asn	Leu 90	Phe	Ser	Thr	Glu	Asp 95	Ser
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233	130					135					140				ر,
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237 149	_				150			-		155		-	-		160
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		C1		7 ~~	C1	Nan	Cln		Cln	Lys	7 J ~	Cln		T10	Cor	Wal	T 011
			Pite	ASD	GTY	ASII		PHE	GIII	цуѕ	Ala		мта	TIE	ser	vai	
	272		a 1	17 - L	- 1 -	a1	70	m1	D)	7	-	75 Dl	0	m1	T	7	80
		His	GIU	Met	тте		Gin	Thr	Pne	Asn		Pne	ser	Thr	гЛS		ser
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	311		1114	шец	110	5		200			10					15	0,10
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	315	цую	DEI	·	20	DCI	шец	дал	Cys	25	шси	110	GIII	1111	30	DCI	шси
		C1	Ti a	N iscor		Thr	Mot	Mot	Eou	Leu	ת דת	Cln	Mot	7 200		т1а	Sor
		GTA	птр		Arg	TIIL	Mec	Mec		пеп	нта	GIII	Met	45	Arg	116	SCI
	319	- '	Dl	35	a	·	T	7	40	TT-2 -	7	D1	7		D-00	01 m	a 1
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	331 334 335 338 339	His Ser Tyr	Val Gln	Ala Gln 115	Trp 100 Leu	85 Asp Asn	Gln Glu Asp	Arg Leu	Leu Glu 120	Leu 105 Ala	90 Asp Cys	Phe Lys Val	Leu Met	Tyr Gln 125	Thr 110 Glu	95 Glu Val	Ser Leu Trp
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•	331 334 335 338 339 342 343	His Ser Tyr Val	Val Gln Gly 130	Ala Gln 115 Gly	Trp 100 Leu Thr	85 Asp Asn Pro	Glu Glu Asp Leu	Arg Leu Met 135	Leu Glu 120 Asn	Leu 105 Ala	90 Asp Cys Asp	Phe Lys Val Ser	Leu Met Ile 140	Tyr Gln 125 Leu	Thr 110 Glu Ala	95 Glu Val Val	Ser Leu Trp Arg
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/820,467

DATE: 11/15/2004 TIME: 14:06:10

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381 Glu Phe Asp Gly	His Gln Phe Gln Ly	s Thr Gln Ala Ile Ser V	
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385 His Glu Met Ile	Gln Gln Thr Phe As	n Leu Phe Ser Thr Glu A	
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390 100	10		7-7 07
-		a Cys Val Ile Gln Glu V	ar Gry
394 115	120	125	In Tra
	135	u Asp Phe Ile Leu Ala V 140	ai Aig
398 130		r Leu Thr Glu Lys Lys T	Tur Sar
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425 20	25	30	
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429 35	40	45	73 07
-	=	s Asp Phe Glu Phe Pro G	in Glu
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 11/15/2004 PATENT APPLICATION: US/10/820,467 TIME: 14:06:11

Input Set : A:\A-71431-4.ST25.txt

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VERIFICATION SUMMARY

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